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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	

Application Number	09/890,371
Filing Date	April 8, 2002
First Named Inventor	Gregor CEVC
Art Unit	1646
Examiner Name	B. D. Hissong
Attorney Docket Number	2200437.00120US1

ENCLOSURES (*Check all that apply*)

- [ ] Fee Transmittal Form
  - [ ] Fee Attached
- [ ] Amendment/Reply
  - [ ] After Final
  - [ ] Affidavits/declaration(s)
- [ ] Extension of Time Request
- [ ] Express Abandonment Request
- [x] Information Disclosure Statement
- [ ] Certified Copy of Priority Document(s)
- [ ] Reply to Missing Parts/ Incomplete Application
  - [ ] Reply to Missing Parts under 37 CFR 1.52 or 1.53
- [ ] Drawing(s)
- [ ] Licensing-related Papers
- [ ] Petition
- [ ] Petition to Convert to a Provisional Application
- [ ] Power of Attorney, Revocation Change of Correspondence Address
- [ ] Terminal Disclaimer
- [ ] Request for Refund
- [ ] CD, Number of CD(s) _____
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- [ ] After Allowance Communication to TC
- [ ] Appeal Communication to Board of Appeals and Interferences
- [ ] Appeal Communication to TC **(Appeal Notice, Brief, Reply Brief)**
- [ ] Proprietary Information
- [ ] Status Letter
- [ ] Other Enclosure(s) (please Identify below):

SB/08 Form
82 U.S. Patent Documents
75 Foreign Patent Documents
84 Non-Patent Documents

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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	WILMER CUTLER PICKERING HALE AND DORR LLP		
Signature	Emily R Whelan		
Printed name	Emily R. Whelan		
Date	August 6, 2007	Reg. No.	50,391

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: August 6, 2007 Signature: KMoussalli (Kristen Moussalli)

Docket No.: 2200437.00120US1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Gregor CEVC	Confirmation No.:	TBD
Application No.:	09/890,371	Art Unit:	1646
Filed:	April 8, 2002	Examiner:	B. D. Hissong
Title:	TRANSNASAL TRANSPORT/IMMUNISATION WITH HIGHLY ADAPTABLE CARRIERS		

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT (IDS)

Dear Sir:

This Information Disclosure Statement is being filed prior to the mailing date of a first Office Action on the merits after a Request for Continued Examination. No fee is required.

Applicants request that the Examiner initial and return a copy of the enclosed Form PTO SB-08 with the next communication.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 08-0219, under Order No. 2200437.00120US1 from which the undersigned is authorized to draw.

Respectfully submitted,

Dated: August 6, 2007

Emily R. Whelan
Registration No.: 50,391
Attorney for Applicant(s)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 10

Complete if Known	
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA*	US-20010012849-A1	08-09-2001	Wechter	
	AB*	US-20020003179-A1	01-10-2002	Verhoff et al.	
	AC*	US-20020012680-A1	01-31-2002	Patel et al.	
	AD*	US-20020037877-A1	03-28-2002	Singh	
	AE*	US-20020048596-A1	04-25-2002	CEVC	
	AF*	US-20020106345-A1	08-08-2002	Uhrich et al.	
	AG*	US-20020119188-A1	08-29-2002	Niemiec et al.	
	AH*	US-20020147238-A1	10-10-2002	Jerussi et al.	
	AI*	US-20030099694-A1	05-29-2003	Cevc et al.	
	AJ*	US-20040071767-A1	04-15-2004	Cevc et al.	
	AK*	US-20040105881-A1	06-03-2004	Cevc et al.	
	AL*	US-20050123897-A1	06-09-2005	Cevc et al.	
	AM*	US-20070031483	02-08-2007	Cevc	
	AN*	US-4,369,182	01-18-1983	Ghyczy et al.	
	AO*	US-4,619,794	10-28-1986	Hauser et al.	
	AP*	US-4,666,747	05-19-1987	Quinn et al.	
	AQ*	US-4,731,210	03-15-1988	Weder et al.	
	AR*	US-4,746,509	05-24-1988	Haggiage et al.	
	AS*	US-4,783,450	11-08-1988	Fawzi et al.	
	AT*	US-4,849,224	07-18-1989	Chang et al.	
	AU*	US-4,911,928	03-27-1990	Wallach	
	AV*	US-4,921,706	05-01-1990	Roberts et al.	
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	AY*	US-4,944,948	07-31-1990	Uster et al.	
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	AA1*	US-4,983,395	01-08-1991	Chang et al.	
	AB1*	US-5,104,661	04-14-1992	Lau	
	AC1*	US-5,145,684	09-08-1992	Liversidge et al.	
	AD1*	US-5,154,930	10-13-1992	Popescu et al.	
	AE1*	US-5,202,125	04-13-1993	Ebert et al.	
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	AG1*	US-5,238,613	08-24-1993	Anderson	
	AH1*	US-5,244,678	09-14-1993	Legros et al.	
	AI1*	US-5,322,685	06-21-1994	Nakagawa et al.	
	AJ1*	US-5,460,820	10-24-1995	Ebert et al.	
	AK1*	US-5,498,418	03-12-1996	Beutner at al.	
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	AP1*	US-5,614,178	03-25-1997	Bloom et al.	
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	AR1*	US-5,654,337	08-05-1997	Roentsch et al.	
	AS1*	US-5,681,849	10-08-1997	Richter et al.	

Examiner Signature		Date Considered	

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	AT1*	US-5,716,638	02-10-1998	Touitou et al.	
	AU1*	US-5,741,515	04-21-1998	Ciceri et al.	
	AV1*	US-5,763,422	06-09-1998	Lichtenberger et al.	
	AW1*	US-5,783,208	07-21-1998	Venkateshwaran et al.	
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	AY1*	US-5,858,330	01-12-1999	Boltri et al.	
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	AA2*	US-5,874,422	02-23-1999	Krause et al.	
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	AC2*	US-5,958,379	09-28-1999	Regenold et al.	
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	AA3*	US-6,797,276	09-28-2004	Glenn et al.	
	AB3*	US-6,835,392-A1	12-28-2004	Hsu et al.	
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	BA	AU-724218	09-14-2000	IDEA		
	BB	AU-1740283	07-28-1983	Ciba Geigy AG		
	BC	CA-1143656	03-29-1983	Kureha Kagaku Kogyo Kabushiki Kaisha		
	BD	CA-2052164	09-26-1992	HARA, TOSHIFUMI		
	BE	CA-2067754	02-25-1992	IDEA AG		
	BF	CA-2160775	11-24-1994	Merck Patent GMBH, et al.		

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Sheet 3 of 10

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First Named Inventor	Gregor CEVC
Art Unit	1646
Examiner Name	B. D. Hissong
Attorney Docket Number	2200437.00120US1

	BG	CA-1289420	09-24-1991	Micro-Pak Inc.		
	BH	DE-3,713,494	10-29-1987	L'Oreal		
	BI	DE-3016976	11-13-1980	Kureha Kagaku Kogyo		
	BJ	EP-0475160	03-18-1992	Cevc		
	BK	EP-0152379	08-21-1985	Ciba Geigy AG		
	BL	EP-0382716	01-28-1998	WARNER-LAMBERT CO.		
	BM	EP-1031347	04-17-2002	IDEA AG		
	BN	EP-0707847	04-24-1996	Bayer AG		
	BO	EP-0088046	09-07-1983	Ciba Geigy Ag		√
	BP	EP-0995435	04-26-2000	SENJU PHARMACEUTICAL CO., LTD.		
	BQ	EP-0220797	05-06-1987	Nikko Chemicals Co. Ltd.		
	BR	EP-0280492	08-31-1988	Takeda Chemical Industries, Ltd.		
	BS	EP-0704206	04-03-1996	Regenold, Jurgen		
	BT	EP-0298280	06-14-1988	Hapgood, CV		
	BU	EP-0355095	08-04-1993	THE LIPOSOME COMPANY, INC.		
	BV	EP-1031346	05-02-2002	IDEA AG		
	BW	EP-0211647	02-25-1987	Allergan Pharmaceuticals, Inc.		
	BX	EP-0224837	11-24-1986	Rohm Pharma GmbH		
	BY	EP-0674913	04-10-1995	LecTec Corporation		
	BZ	EP-0102324	03-07-1984	Ciba-Geigy AG		
	BA1	EP-0582239	02-09-1994	RHONE-POULENC RORER GMBH		
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	BC1	JP-07-324029	12-12-1995	L'Oreal SA		
	BD1	JP-61-271204	12-01-1986	Shiseido Co Ltd.		
	BE1	WO-91/04013	04-04-1991	MICRO VESICULAR SYSTEMS, INC.		
	BF1	WO-88/07362	10-06-1988	LIPOSOME TECHNOLOGY, INC.		
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	BH1	WO-01/01963	01-11-2001	IDEA AG		√
	BI1	WO-98/07414	02-26-1998	RESEARCH TRIANGLE PHARMACEUTICALS LTD.		√
	BJ1	WO-96/04526	02-15-1996	SIEMENS AUTOMOTIVE CORPORATION		
	BK1	WO-02/07767	01-31-2002	LIPOCINE, INC.		√
	BL1	WO-02/11683	02-14-2002	DOW PHARMACEUTICAL SCIENCES		√
	BM1	WO-00/00597	01-06-2000	The Universitiy of Manitoba		
	BN1	WO-96/19205	06-27-1996	Theratech, Inc.		√
	BO1	WO-01/12155	02-22-2001	LIPOCINE, INC.		√

Examiner Signature		Date Considered	

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Attorney Docket Number	2200437.00120US1

	BP1	WO-04/032900	04-22-2004	IDEA AG		
	BQ1	WO-98/17255	04-30-1998	Cevc Gregor		√
	BR1	WO-96/29999	10-03-1996	HEXAL AG		√
	BS1	WO-01/00247	01-04-2001	The Liposome Company, Inc		
	BT1	WO-00/25822	05-11-2000	John C. Grasela, et al.		√
	BU1	WO-00/44349	08-03-2000	IDEA AG		
	BV1	WO-98/05539	02-12-1998	TOYOTA JIDOSHA KABUSHIKI KAISHA		
	BW1	WO-00/44350	08-03-2000	IDEA AG		
	BX1	WO-00/50007	08-31-2000	LIPOCINE, INC.		√
	BY1	WO-98/24407	06-11-1998	L'Oreal		
	BZ1	WO-98/06750	02-19-1998	KEYGENE N.V.		
	BA2	WO-87/01938	04-09-1987	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA		
	BB2	WO-95/35095	12-28-1995	YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM		
	BC2	WO-02/058670	08-01-2002	Euroceltique S.A.		
	BD2	WO-91/01596	02-07-1991	SHAH, Reza H.		
	BE2	WO-00/24377	05-04-2000	Idea Innovat Dermale Appl Gmbh et al.		√
	BF2	WO-92/03122	03-05-1992	Cevc		
	BG2	WO-98/30215	07-16-1998	Cilag AG		
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	BJ2	WO-93/19737	10-14-1993	KABI PHARMACIA AB		
	BK2	WO-05/063213	07-14-2005	Biodelivery Sciences International, Inc		
	BL2	WO-95/09831	04-13-1995	Nicox Ltd et al.		
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	BN2	WO-02/32398	04-25-2002	Massachusetts Institute of Technology		
	BO2	WO-98/33483	08-06-1998	DEPOTECH CORPORATION		
	BP2	WO-93/19736	10-14-1993	KABI PHARMACIA AB		
	BQ2	WO-01/01962	01-11-2001	IDEA Innovative GmBh		√
	BR2	WO-90/11065	10-04-1990	Theratech, Inc.		√
	BS2	WO-00/13684	03-16-2000	LOMA LINDA UNIVERSITY MEDICAL CENTER		√
	BT2	WO-94/26257	11-24-1994	LTS LOHMANN THERAPIE-SYSTEME GMBH & CO.		√
	BU2	WO-00/12060	03-09-2000	Cevc		
	BV2	WO-92/05771	04-16-1992	KABI PHARMACIA		
	BW2	WO-99/22703	05-14-1999	LURIDENT LTD.		√

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	CA	Abstract searched from Derwent World Patents Index Latest, for EP 0102 324.	
	CB	Almeida et al., "Nasal delivery of vaccines," Journal of Drug Targeting, Vol 3, No 6, pp. 455-67 (1996)	
	CC	Aungst et al., "Enhancement of Naloxone Penetration Through Human Skin In Vitro Using Fatty Acids, Fattty Alcohols, Surfactants, Sulfoxides and Amides," on Internaitonal Journal of Pharmaceutics, 33 (1986) pp. 225-234.	
	CD	Benner, "The Human Body, The Wonderwork of the Human Body, Structure, Functions, Interactions, Processes and Mechanisms," Weltbild GmbH Augsburg (1995).	
	CE	Berger, M. Oral insulin 1922-1992: The History of Continuous Ambition and Failure" Heinrich-Heine-University, Dusseldorf, Germany	
	CF	Beyer, C. et al., "Micro Emulsions" Pharmazie in unserer Zeit, No. 2 (1983).	
	CG	Blume, et al., "Drug-Carrier and Stability Properties of the Long-Lived Lipid Vesicles, Cryptosomes, In Vitro and In Vivo," Journal of Liposome Research, 2(3), 355-368 (1992).	
	CH	Brendzel, A. et al., "Effects of Lipid-Soluble Substances on the Thermotropic Properties of Liposome Filtration," Biochimica et Biophysica Acta, 601 (1980) 260-270.	
	CI	Burnette, R. et al., "'Characterization of the Permselective Properties of Excised Human Skin During Lontophoresis," Journal of Pharmaceutical Sciences/ Vol. 76, No. 10, October 1987 pgs. 765-773.	
	CJ	Byas-Smith et al., "Transdermal clonidine compared to placebo in painful diabetic neuropathy using two stage 'enriched enrollment' design," Pain, Vol 60, pp. 267-274 (1995)	
	CK	Calpena, et al., "Influence of the Formulation on the In Vitro Transdermal Penetration of Sodium Diclofenac," Arzneim.-Forsch./Drug Res, 49(II), 1012-1017 (1999).	
	CL	Carafa, M. et al."Lidocaine-loaded Non-ionic Surfactant Vesicles: Characterization and In Vitro Permeation Studies," International Journal of Pharmaceuticals 231 (2002) 21-32.	
	CM	Castillo et al., "Glucocorticoids Prolong Rat Sciatic Nerve Blockade In Vivo from Bupivacaine Microspheres," Anesthesiology, Vol 85, No 5, pp. 1157-66 (1996)	
	CN	Cevc et al., "Phospholipids handbook", Marcel Dekker, Inc., New York, Basel, Hong Kong, pp. 375-376 and 404 (1993)	
	CO	Cevc et al.: "Transdermal drug carriers: basic properties, optimization and transfer efficiency in the case of epicutaneously applied peptides," J. Contr. Rel., 36, pp. 3-16, 1995.	
	CP	Cevc, "Transfersomes, Liposomes, and Other Lipid Suspensions on the Skin: Permeation Enhancement, Vesicle Penetration, and Transdermal Drug Delivery," Crit. Rev. Ther. Drug Carrier Syst., 13 (3&4), pp. 257-388, 1996.	
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	CR	Cevc, G. et al., "The skin: a pathway for systemic treatment with patches and lipid-based	

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		agent carriers" Advanced Drug Delivery Reviews 18 pp. 349-378 (1996).	
	CS	Cevc, G. et al., "Transfersomes-mediated transepidermal delivery improves the regio-specificity and biological activity of corticosteriods in vivo," JOURNAL OF CONTROLLED RELEASE, vol. 45, no. 3, 1997, pages 211-226.	
	CT	Cevc, G., "Material Transport Across Permeabilitiy Barriers by Means of Lipid Vesicles", *Handbook of Biological Physics*, Vol. 1, pp. 465-490 (1995).	
	CU	Claims (pending) filed February 9, 2007, in connection with U.S. Patent Application No. 09/555,986, under examination by Examiner Kishore of the USPTO.	
	CV	Claims (pending) filed May 8, 2007, in connection with U.S. Patent Application No. 11/667,325	
	CW	Claims filed February 26, 2007, in connection with U.S. Patent Application No. 10/984,450 (U.S. Patent Publication No. US 2005/0123897 A1), under examination by Examiner Fortuna of the USPTO.	
	CX	Claims filed January 22, 2007, in connection with U.S. Patent Application No. 10/037,480 (U.S. Patent Publication No. US 2003/0099694 A1), under examination by Examiner Fortuna of the USPTO.	
	CY	Claims filed July 12, 2007, in connection with U.S. Patent Application No. 09/284,683 (U.S. Patent Publication No. US 2002/0048596 A1), under examination by Examiner Kishore of the USPTO.	
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Sheet 7 of 10

Complete if Known	
Application Number	09/890,371
Filing Date	April 8, 2002
First Named Inventor	Gregor CEVC
Art Unit	1646
Examiner Name	B. D. Hissong
Attorney Docket Number	2200437.00120US1

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Art Unit	1646
Examiner Name	B. D. Hissong
Attorney Docket Number	2200437.00120US1

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Art Unit	1646
Examiner Name	B. D. Hissong
Attorney Docket Number	2200437.00120US1

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